



**SHREE H.N.SHUKLA INSTITUTE OF PHARMACEUTICAL  
EDUCATION AND RESEARCH, RAJKOT**



**B.PHARM SEMESTER-V, INTERNAL EXAM (2023-24)**

<b>Subject code: BP503TP</b>		<b>Date: 04/10/2023</b>
<b>Sub: Pharmacognosy and Phytochemistry I</b>		<b>Total Marks: 20</b>
<b>Time: 10:30AM TO 11:30AM</b>		<b>Enroll. No:</b>
<b>Write in detail: (ATTEMPT ANY FOUR)</b>		
<b>Q.1</b>	<b>Explain Shikimic acid pathway with chemistry</b>	<b>(5)</b>
<b>Q.2</b>	<b>Write in detail about acetate mevalonate pathway.</b>	<b>(5)</b>
<b>Q.3</b>	<b>Give method for isolation and estimation of Caffeine</b>	<b>(5)</b>
<b>Q.4</b>	<b>Define extraction. Enlist different modern methods of extraction. Write a note on super critical fluid (SCF) extraction</b>	<b>(5)</b>
<b>Q.5</b>	<b>Write a note on production and estimation of Sennosides</b>	<b>(5)</b>